Algorithms Day 2

Lab Activity: Critical Section & Big-Oh Notation

Critical Section and Complexity Class

- Download the files Employee.java and EmployeeCatalog.java from Collab.
- The Employee class is just a holder of information for each employee. Look through it and make sure that you understand all of the fields associated with this class.
- The EmployeeCatalog class has 4 methods, sortByValue(), averageLinesOfCode(), setQualityGrade(), and setQualityRankings().
 Review each of these methods and determine:

 (1) the critical section, and (2) the complexity class of each method.
- Submit using the in-line text-box on Collab. List the method name followed by the line(s) for the critical section and the complexity class. For example: sortByValue() critical section lines X-Y, complexity class O(Z).